

Monday 15th June

This week we will be looking at a range of timetables, from transport to school in order to help familiarise you for September. There are 3 different star challenges for the timetable work. You should select either *, ** or ***. Remember to logon to Sumdog to continue your challenges.

Fluent in five!

Remember to think first as to whether you need to use a written method (W), or a mental method (m).

Check your answers, and if you made any mistakes, see if you can work out what you did wrong.

$$A. 8,874 \times ? = 8,874$$

$$B. 1,518 \div 6 =$$

$$C. 87.3 \div 10 =$$

$$D. 41 + 30 =$$

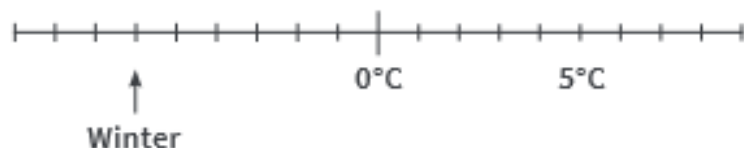
$$E. 83,328 - 76,397 =$$

Q1 Match the decimal fractions to their fraction equivalents.

$\frac{1}{5}$	0.3
$\frac{30}{100}$	0.2
$\frac{1}{4}$	0.6
$\frac{6}{10}$	0.72
$\frac{72}{100}$	0.25

2 marks

Q2 This temperature scale shows the average temperature in a city.



a Look at the arrow. What is the average temperature in winter?

 °C

1 mark

The average temperature in summer is 23°C higher than winter.

b What is the average temperature in summer?

 °C

1 mark

Q3 Place these lengths in order, starting with the longest.

3.5m 310,000cm 340cm
320mm 30,000mm 3km

Longest

1 mark



Train Time Worksheet

Destination	Journey A	Journey B	Journey C
London	10:20	11:30	16:40
Derby	12:20		18:00
Sheffield	12:40	13:10	18:30
York	13:20	13:55	19:15
Newcastle	14:25	14:40	
Duration			3 hours

- Journey B takes 1 hour to get from London to Derby. What time do you arrive at Derby?

- Journey C takes a total of 3 hours. What time does it arrive at Newcastle?

- How long does journey A take? _____
- You need to be at York for 13:30. Which is the best journey to take?

- You arrive at Sheffield train station at 18:10. How long do you have to wait for the next train to Newcastle? _____
- How many stations does the 11:30 train stop at before it reaches York?

Sunday Train Times			
Destination	Journey A	Journey B	Journey C
London	12:20	13:30	18:40
Derby			
Sheffield			
York			
Newcastle			
Duration			

7. Sunday trains run exactly 2 hours later than the rest of the week. Fill in the timetable above.

You will need to draw it out.

**

Train Time Worksheet

Destination	Journey A	Journey B	Journey C
London	10:15	11:30	16:40
Derby	12:15		18:05
Sheffield	12:40	13:10	18:30
York	13:20	13:55	19:15
Newcastle	14:05	14:35	
Duration			3 hours

Destination	Journey D	Journey E	Journey F
London	22:15	23:30	04:40
Derby			
Sheffield			
York			
Newcastle			
Duration			

1. Journey B takes 1 hour 15 minutes to get from London to Derby. What time do you arrive at Derby? _____
2. Journey C takes a total of 3 hours. What time does it arrive at Newcastle? _____
3. How long do journeys A and B take? _____
4. You need to be at York for 13:30. Which is the best journey to take? _____
5. You get to Sheffield at 16:50. How long do you have to wait for the next train to Newcastle? _____
6. How many stations does the 11:30 train stop at before it reaches York? _____

7. Journeys D, E and F run exactly 12 hours later than journeys A, B and C. Fill in the timetable above.

You will need to draw it out.

Train Time Worksheet

Destination	Journey A	Journey B	Journey C
London	10:17	11:37	16:43
Derby	12:12		18:08
Sheffield	12:38	13:08	18:27
York	13:16	13:58	19:14
Newcastle	14:06	14:34	
Duration			3 hours and 5 minutes

Destination	Journey D	Journey E	Journey F
London			
Derby			
Sheffield			
York			
Newcastle			
Duration			

1. Journey B takes 1 hour and 16 minutes to get from London to Derby. What time do you arrive at Derby? _____
2. Journey C takes a total of 3 hours and 5 minutes. What time does it arrive at Newcastle? _____
3. How long do journeys A and B take? _____
What is the difference in time? _____
4. You need to be at York for an appointment at 14:30. Which is the best journey to take? _____
How much spare time will you have in York before your appointment? _____
5. You arrive at Sheffield train station at 16:50. How long do you have to wait for the next train to Newcastle? _____
6. How many stations does the 11:37 train stop at before it reaches York? _____

7. Journeys D, E and F run exactly 11 hours 35 minutes later than journeys A, B and C. |

Draw out the timetable.

Answers

$$A. 8,874 \times 1 = 8,874 \text{ (M)}$$

$$B. 1,518 \div 6 = 253 \text{ (W)}$$

$$C. 87.3 \div 10 = 8.73 \text{ (M)}$$

$$D. 41 + 30 = 71 \text{ (M)}$$

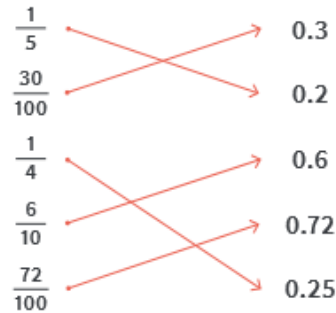
$$E. 83,328 - 76,397 = 6,931 \text{ (W)}$$

Rapid Reasoning | Answers

Year 6 | Week 3 | Day 1

Q1

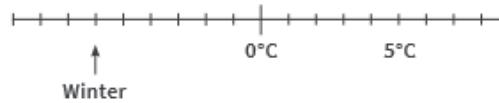
Match the decimal fractions to their fraction equivalents.



2 marks

Q2

This temperature scale shows the average temperature in a city.



a

Look at the arrow. What is the average temperature in winter?

-6 °C

The average temperature in summer is 23°C higher than winter.

b

What is the average temperature in summer?

17 °C

1 mark

Q3

Place these lengths in order, starting with the longest.

3.5m 310,000cm 340cm
320mm 30,000mm 3km

Longest **310,000cm**
3km
30,000mm
3.5m
340cm
320mm

1 mark

*

1. 12:30
2. 19:40
3. 4 hours and 5 minutes
4. Journey A
5. 20 minutes
6. 2 stations
- 7.

**

1. 12:45
2. 19:40
3. Journey A = 3 hours and 50 minutes
Journey B = 3 hours and 5 minutes
4. Journey A
5. 1 hour 40 minutes
6. 2 stations
- 7.

1. 12:53
2. 19:48
3. Journey A = 3 hours and 49 minutes
Journey A = 2 hours and 57 minutes
Difference in time = 52 minutes
4. Journey A or B
Journey A = 1 hour and 14 minutes
Journey B = 32 minutes
5. 1 hour and 37 minutes
6. 2 stations
- 7.

Sunday Train Times			
Destination	Journey A	Journey B	Journey C
London	12:20	13:30	18:40
Derby	14:20	14:30	20:00
Sheffield	14:40	15:10	20:30
York	15:20	15:55	21:15
Newcastle	16:25	16:40	21:40
Duration	4 hours and 5 minutes	3 hours and 10 minutes	3 hours

Destination	Journey D	Journey E	Journey F
London	22:15	23:30	04:40
Derby	00:15	00:45	06:05
Sheffield	00:40	01:10	06:30
York	01:20	01:55	07:15
Newcastle	02:05	02:35	07:40
Duration	3 hours and 50 minutes	3 hours and 5 minutes	3 hours

Destination	Journey D	Journey E	Journey F
London	21:52	23:12	04:18
Derby	23:47	00:28	05:43
Sheffield	00:13	00:43	06:02
York	00:51	01:33	06:49
Newcastle	01:41	02:09	07:23
Duration	3 hours and 49 minutes	2 hours and 57 minutes	3 hours and 5 minutes